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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|-------------------------------|------------------------|
| 10/005,208 | 12/04/2001 | Michael Becker | 6470 | 5597 |
| 50811 | 7590 | 03/03/2010 | | |
| O'Shea Getz P.C. 1500 MAIN ST. SUITE 912 SPRINGFIELD, MA 01115 | | | EXAMINER NGUYEN, KHAI MINH | |
| | | | ART UNIT 2617 | PAPER NUMBER |
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | | |
|------------------------------|------------------------|---------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/005,208 | BECKER ET AL. | |
| | Examiner | Art Unit | |
| | KHAI M. NGUYEN | 2617 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 December 2009.
 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,5-8,12 and 16-21 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) ☐ Claim(s) _____ is/are allowed.
 6) ☒ Claim(s) 1,5-8,12 and 16-21 is/are rejected.
 7) ☐ Claim(s) _____ is/are objected to.
 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____. | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date _____. 5) <input type="checkbox"/> Notice of Informal Patent Application 6) <input type="checkbox"/> Other: _____. |
|---|---|

DETAILED ACTION

1. In view of the 12/4/2009 filed on Appeal Brief, PROSECUTION IS HEREBY REOPENED. The new ground(s) of rejection set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

(1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,

(2) initiate a new appeal by filing a notice of appeal under 37 CFR 41.31 followed by an appeal brief under 37 CFR 41.37. The previously paid notice of appeal fee and appeal brief fee can be applied to the new appeal. If, however, the appeal fees set forth in 37 CFR 41.20 have been increased since they were previously paid, then appellant must pay the difference between the increased fees and the amount previously paid.

A Supervisory Patent Examiner (SPE) has approved of reopening prosecution by signing below:

/VINCENT P. HARPER/

Supervisory Patent Examiner, Art Unit 2617

Response to Arguments

2. Applicant's arguments with respect to claims 1, 5-8, 12, and 16-21 have been considered but are moot in view of the new ground(s) of rejection.

Prior Art clearly teaches a ring bus ([0002] ring structure), a plurality of multimedia units connected to the ring bus ([0002]).

Spaur clearly teaches a wireless transceiver connected to the bus (fig.2: item 80), where the wireless transceiver receives outgoing data from the bus (fig.2: CAN BUS) and transforms the outgoing data to a wireless data format and transmits the transformed data (fig.2: airlink, col.2, line 66 to col.3, line 29; col.10, lines 37-64, col.11, line 58 to col.12, line 17; *format for transmission from the controller through the wireless device using an appropriate airlink modem to a remote station; the data or other information from the vehicle devices 50a-50n transmission to a remote station 10; make a determination as to what information or data should be presented when such situations arise*), and receives incoming data and transforms the incoming data (fig.2: airlink) and provides transformed incoming data indicative thereof to the bus (fig.2, col.11, lines 32-57, *a user at a remote station 10 that wishes to send or receive information relative to a particular vehicle device 50a-50n*), where the incoming data is formatted as standardized data (col.2, lines 16-17).

O'Neill clearly teaches the data is formatted as Bluetooth data (abstract: Bluetooth protocol).

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 5-8, 12, and 16-21 are rejected under 35 U.S.C. 103(a) as being obvious over Prior Art, in view of Spaur et al. (U.S.Pat-5732074), and further in view of O'Neil, Jr. (U.S.Pat-6069588).

Regarding claims 1, 16, Prior Art teaches a motor vehicle Media Oriented System Transport data communication network, comprising:

- a ring bus ([0002] ring structure),
- a plurality of multimedia units connected to the ring bus ([0002]); and

Prior Art fails to specifically disclose a wireless transceiver connected to the bus, where the wireless transceiver receives outgoing data from the bus and transforms the outgoing data to a wireless data format and transmits the transformed data, and receives incoming data and transforms the incoming data and provides transformed incoming data indicative thereof to the bus, where the incoming data is formatted as standardized data.

However, Spaur teaches a wireless transceiver connected to the bus (fig.2: item 80), where the wireless transceiver receives outgoing data from the bus (fig.2: CAN BUS) and transforms the outgoing data to a wireless data format and transmits the transformed data (fig.2: airlink, col.2, line 66 to col.3, line 29; col.10, lines 37-64, col.11, line 58 to col.12, line 17; format for transmission from the controller through the wireless device using an appropriate airlink modem to a remote station; the data or other information from the vehicle devices 50a-50n transmission to a remote station 10; make a determination as to what information or data should be presented when such situations arise), and receives incoming data and transforms the incoming data (fig.2:

airlink) and provides transformed incoming data indicative thereof to the bus (fig.2, col.11, lines 32-57, a user at a remote station 10 that wishes to send or receive information relative to a particular vehicle device 50a-50n), where the incoming data is formatted as standardized data (col.2, lines 16-17).

Therefore, It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Spaur to Prior Art to provides a reduces the magnitude and time of transmission and able to alter the presentation of this information in a dynamic manner.

Prior Art and Spaur fail to specifically disclose the data is formatted as Bluetooth data.

However, O'Neill teaches the data is formatted as Bluetooth data (abstract: Bluetooth protocol).

Therefore, It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of O'Neill to Prior Art and Spaur to improve the transmission dada in communication wireless system (overcome transmission loss).

Regarding claims 5, 17, Prior Art teaches the plurality of multimedia units includes a DVD player ([0002]).

Regarding claims 6, 18, Prior Art teaches the plurality of multimedia units includes an audio player ([0002]).

Regarding claims 7, 19, Prior Art teaches the plurality of multimedia units includes a navigation system ([0002]).

Regarding claims 8, 20, Prior Art teaches a method of communicating over a communication channel between a motor vehicle Media Oriented System Transport network having a transceiver and a device, comprising:

Prior Art fails to specifically disclose receiving outgoing data at the wireless transceiver in a first data format compatible with the network and transforming the outgoing data to a second data format compatible with the wireless communication channel and providing a transformed output signal indicative thereof; transmitting the transformed output signal over the wireless communication standard; and receiving incoming data at the wireless transceiver in the second data format and transforming the incoming data to the first data format, and providing a transformed input signal indicative thereof.

However, Spaur teaches receiving outgoing data at the wireless transceiver (fig.2: item 80) in a first data format compatible with the network (fig.2) and transforming the outgoing data to a second data format compatible with the wireless communication channel and providing a transformed output signal indicative thereof (col.11, line 58 to col.12, line 17); transmitting the transformed output signal over the wireless communication standard (fig.2: airlink, col.2, line 66 to col.3, line 29; col.10, lines 37-64; col.11, line 58 to col.12, line 17; format for transmission from the controller through the wireless device using an appropriate airlink modem to a remote station; the data or other information from the vehicle devices 50a-50n transmission to a remote station 10;

make a determination as to what information or data should be presented when such situations arise); and receiving incoming data at the wireless transceiver (fig.2: airlink) in the second data format and transforming the incoming data to the first data format (col.11, line 58 to col.12, line 17), and providing a transformed input signal indicative thereof (fig.2, col.11, lines 32-57, a user at a remote station 10 that wishes to send or receive information relative to a particular vehicle device 50a-50n).

Therefore, It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Spaur to Prior Art to provides a reduces the magnitude and time of transmission and able to alter the presentation of this information in a dynamic manner.

Prior Art and Spaur fail to specifically disclose where the second data format is compatible with Bluetooth.

However, O'Neill teaches where the second data format is compatible with Bluetooth (abstract: Bluetooth protocol).

Therefore, It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of O'Neill to Prior Art and Spaur to improve the transmission dada in communication wireless system (overcome transmission loss).

Regarding claims 12, 21, Prior Art teaches a motor vehicle Media Oriented Systems Transport data communication network that communicates over a wireless

communication channel with a wireless device, comprising:

a ring bus ([0002] ring structure),

a plurality of multimedia units connected to the ring bus ([0002]); and

Prior Art fails to specifically disclose means for receiving outgoing data from the ring bus in a first data format compatible with the wireless network, and for transforming the outgoing data to a second data format compatible with a wireless communication channel and for transmitting a transformed output data signal indicative thereof over the wireless communication standard, where the transformed output data signal is formatted as Bluetooth data.

However, Spaur teaches means for receiving outgoing data from the bus (fig.2: item 80) in a first data format compatible with the wireless network (col.11, line 58 to col.12, line 17), and for transforming the outgoing data to a second data format compatible with a wireless communication channel and for transmitting a transformed output data signal indicative thereof over the wireless communication standard (fig.2: airlink, col.2, line 66 to col.3, line 29; col.10, lines 37-64, col.11, line 58 to col.12, line 17; format for transmission from the controller through the wireless device using an appropriate airlink modem to a remote station; the data or other information from the vehicle devices 50a-50n transmission to a remote station 10; make a determination as to what information or data should be presented when such situations arise), where the transformed output data signal is formatted as standardized data (col.2, lines 16-17).

Therefore, It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Spaur to Prior Art to provides a reduces the magnitude and time of transmission and able to alter the presentation of this information in a dynamic manner.

Prior Art and Spaur fail to specifically disclose the data is formatted as Bluetooth data.

However, O'Neill teaches the data is formatted as Bluetooth data (abstract: Bluetooth protocol).

Therefore, It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of O'Neill to Prior Art and Spaur to improve the transmission dada in communication wireless system (overcome transmission loss).

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHAI M. NGUYEN whose telephone number is (571)272-7923. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vincent P. Harper can be reached on 571.272.7605. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/VINCENT P. HARPER/
Supervisory Patent Examiner, Art Unit 2617

/Khai M Nguyen/
Examiner, Art Unit 2617

2/25/2010